BLAUPUNKT CHANGER **IDC A09 PSA**

7 607 769 050

8 622 402 766 BN-ST 11/00

Schaltbild • Circuit diagram

CLASS 1
LASER PRODUCT

UNSICHTBARE LASERSTRAHLUNG
NICHT DEM STRAHL AUSSETZEN
LASERKLASSE 3B

(D) VORSICHT!

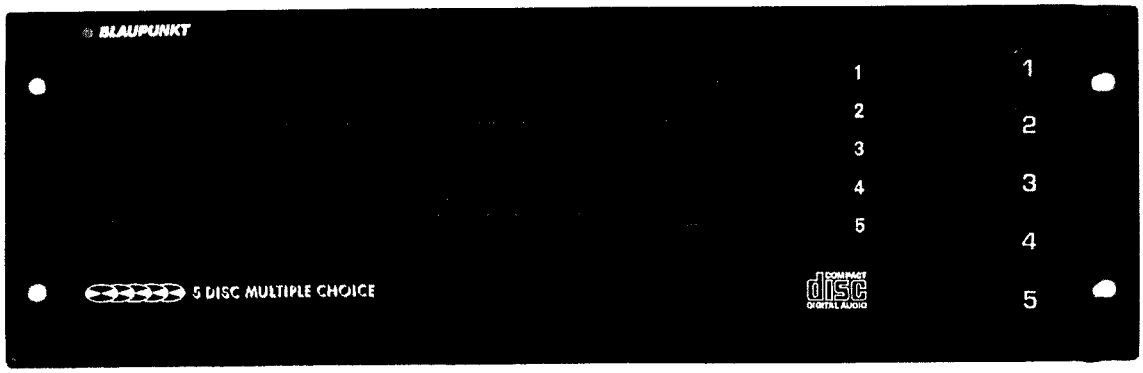
Das Gerät beinhaltet eine Laserkomponente! Im Servicefall nachfolgende Hinweise beachten:

- Das Gerät arbeitet mit unsichtbarem Laserstrahl. Bei geöffnetem Gerät tritt im Bereich des Plattenfaches Laserstrahlung aus.
- Nicht in den Strahl blicken.
- Unbeteiligte Personen vom Arbeitsplatz fernhalten.
- Der Betrachtungsabstand darf 13cm nicht unterschreiten. Kann dies nicht eingehalten werden, muß eine geeignete Laserschutzbrille getragen werden.

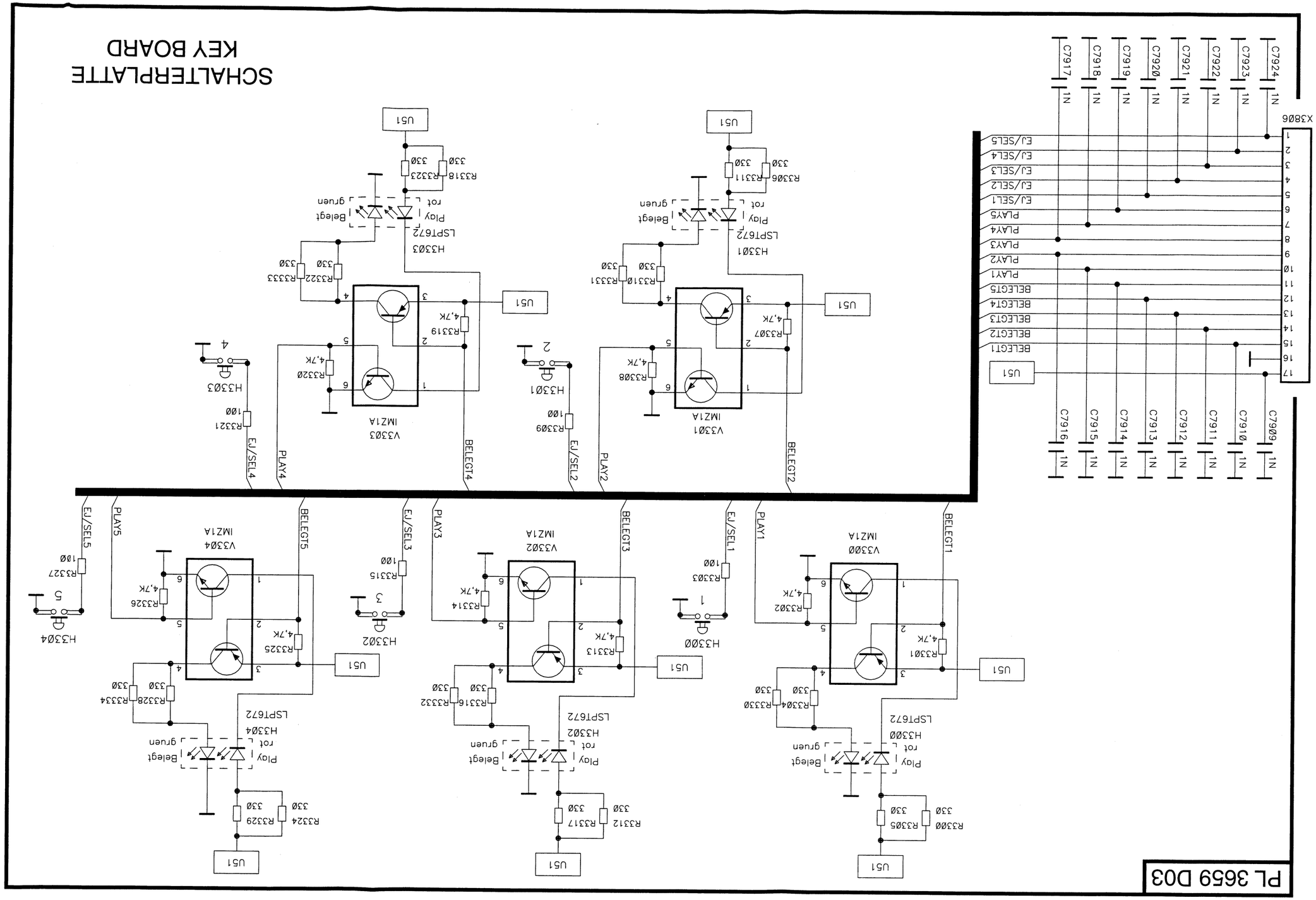
(GB) CAUTION!

This unit contains a laser component! For service observe the following important instructions:

- The unit operates with an invisible laser beam. When the cover is removed, near the disc compartment, invisible laser beams are apparent.
- Avoid direct eye contact with these beams.
- Keep other people away from the working place.
- The viewing distance should not be less than 13cm. If this distance cannot be ensured, use suitable laser safety goggles.



SCHALTERPLATTE
KEY BOARD



PL 3659 D03

Blaupunkt-Werke GmbH, Hildesheim

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Printed in Germany by Oeding Druck
38100 Braunschweig

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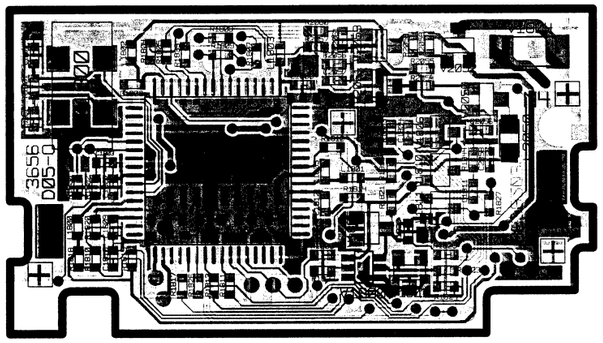
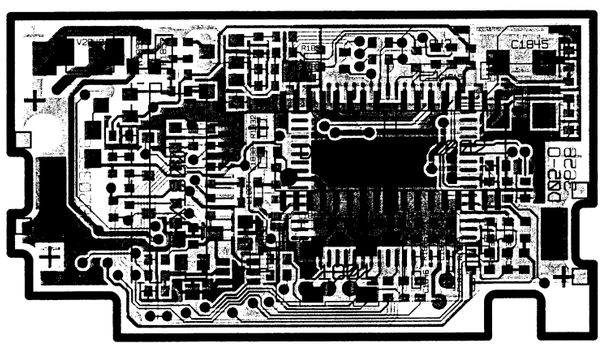
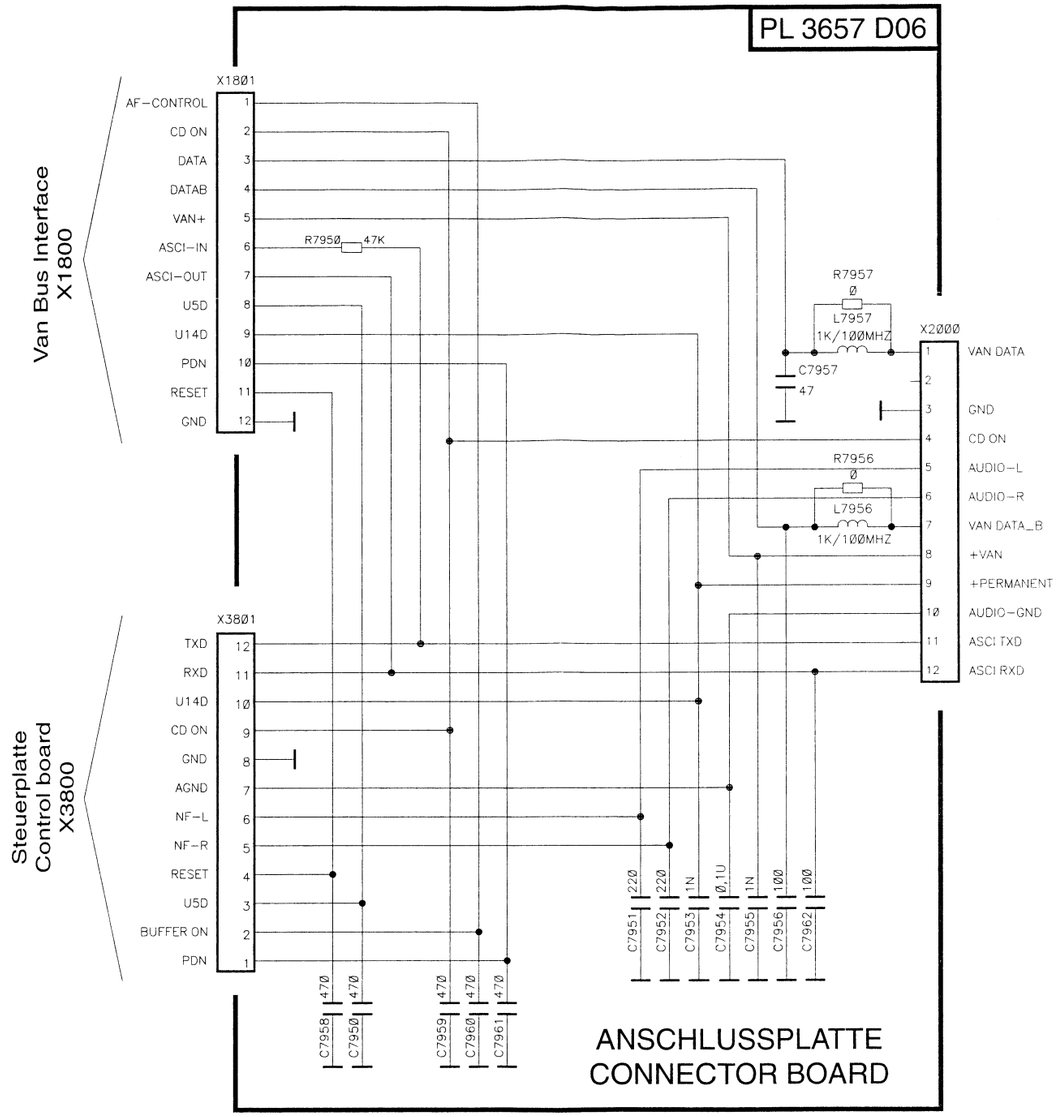
zu Schaltbild IDC A09 PSA 8 622 402 766

Zusatz-Platte
Supplementary board
PL 3656 D05

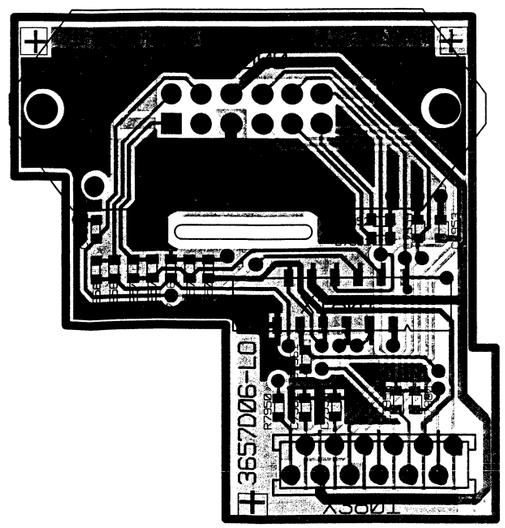


Zusatz-Platte
Supplementary board
PL 3656 D05





Anschlußplatte
Connector board
PL 3657 D06
+Chip



D1800
ST72314N2T6
MAIN PROCESSOR

D1801
TSS463

D1802
MTC-30522

VAN-CONTROLLER

LINE-DRIVER

LINE DRIVER-ON

VAN CONTROLLER-ON

WAKE UP / RESET

ASCI-BUFFER

X1800
Anschlußplatte
Connector board
X1801

MP_AFON	AFON	AF-CONTROL
MP_CDON	CDON	CDON
MP_DATA	DATA	DATA
MP_DATAB	DATAB	DATAB
MP_VAN+	VAN+	VAN+
MP_ASCIIN	ASCIIN	ASCI-BUS in
MP_ASCIOUT	ASCIOUT	ASCI-BUS out
MP_U5D	U5D	5V Dauer
MP_UBAT	UBAT	UBATT (13,5V)
MP_LOWPOWER	LOWPOWER	POWER DOWN
MP_RESET	RESET	RESET
MP_GND		GND

PL 3656 D05

VAN BUS INTERFACE

PL 3655

D5300
M37632MFT

Laser Pick up

Laser Pick up

PL 3655 D05

D5307
CAT24C16JI
U50
C5303 47N
R5300 4,7K
MP_CLOCK
MP_DATA
CLOCK
DATA

U50
R8300 47K
R8301 15K
V8300 IMZ1A
R8304 560K
R8305 47Ø
V8301 BAL99
R8302 180K
R8303 3,3K
C8300 10Ø
V8302 BZX84 C5V6
MP_SCKOUT
MP_SCKIN
ASCIR
ASCIT

HF_PEAK
S-MLA
MSD
MCK
D-MLA
INDEXSW5
INDEXSW4
INDEXSW3
INDEXSW2
INDEXSW1
LOCK
A-MUTE
HF_OFFSET1
UM_UP/HOLD
UM_DOWN/RELEASE
PON
BELEGT1
BELEGT2
BELEGT3
BELEGT4
BELEGT5
PLAY1
PLAY2
PLAY3
PLAY4
PLAY5
LOM_LOAD/DOWN

U51
R5464 47K
R5463 47K
R5462 47K
R5429 47K
R5461 47K
R5445 1K
R5438 47K
R5444 22Ø
R5440 8,2K
R5443 8,2K
R5442 8,2K
R5441 8,2K
R5440 8,2K
R5439 8,2K
R5438 8,2K
R5437 8,2K
R5436 8,2K
R5435 8,2K
R5434 22Ø

Ø0
32MFT

R5310 47K
U51
R5414 47K

GLOCK
DATA
SLED_KICK
FOC_OFFSET
SHIETMODE_SW2
SHIETMODE_SW1
DISC_REL_SW_RELEASE
DISC_REL_SW_HOLD
PU_HOME_SW
LOM_UNLOAD/UP

LPD
D5308 LM258D
U51
C5338 33N
VREF
R5421 47K
R5306 47K
C5378 1U
C5316 0,1U
R5342 22K
R5319

P27 MF_OFFSET1
P00 UM_UP/HOLD
P01 UM_DOWN/RELEASE
P02 PON
P03 BELEGT1
P04 BELEGT2
P05 BELEGT3
P06 BELEGT4
P07 BELEGT5
P10 PLAY1
P11 PLAY2
P12 PLAY3
P13 PLAY4
P14 PLAY5
P15 LOM_LOAD/DOWN

R5310 47K
U51
R5414 47K

PDT
GLOCK
DATA
SLED_KICK
FOC_OFFSET
SHIETMODE_SW2
SHIETMODE_SW1
DISC_REL_SW_RELEASE
DISC_REL_SW_HOLD
PU_HOME_SW
LOM_UNLOAD/UP

U51
C5338 33N
VREF

PDT
/RESET_S
V2010 BAV70
/RESET_Z
D2000 TLE4269GM
C2002 0,1U
C2004 47N
R2000 100K
R2001 82K
R2002 1M
V2004 DTC144WKA 47k 22k
V2003 DTC143ZKA 4,7k 47k
C2009 47N
U14D
U5D
MP_UIN
V2001 RLR4001
C2005 47N
C2006 100U
C2007 47N
C2008 220U
PDN
R5301 47K
R5302 47K
MP_U5D
C2000 47N
C2001 220U
PON
V5300 BAL99

U52
L2002 3,9UH
MP_U52
U51
MP_U51
C2010 220U
C2011 47N
D2002 MC78M05BDT
MP_U75
U75
C2012 47N
C2013 220U
V2006 2SC3420
R2012 47K
V2007 BC857C
R2008 1K
R2009 1K
R2010 1K
R2011 560K
V2009 BZX84 C8V2
C2014 47N
R2013 4,7K
V2006 DTC114ED 10k 10k

ASCIR
ASCIT

U5A
D2003 MC78L05ABD
MP_U5A
R2007 82
C2016 47N
C2017 47N
C2018 100U

U85A
V2015 BC847C
MP_U85A
R2014 82
R2017 1K
V2016 BZX84 B9V1
R2018 560K
C2019 47N
C2020 100U

V2013 BAL99
U5D
D2001 PC74HC4060
C2021 0,1U
R2021 22K
R2022 47K
HW-WD
R2019 0
V2014 DTA143ZKA 47k 4,7k
MP_MR
R2020 47K
U5D
C2022 47N
MP_Q13

U5A
C1517 47N
V1500 DTA143ZKA 47k 4,7k
A-MUTE
MP_AMUTE

FEED
TRACK
KICK
TA-
TA+
D5303 BA6398FP-E2
FA+
FA-
FOCUS
MP_FOCUS
R5378 4,7K
R5379 2,2K
C5365 N.B.
VREF
/ALCR
R5380 47K
SP_KICK
SPINDLE-M-
SPINDLE-M+
R5381
C5369 N.B.
R5386 2,7K
R5389 2,7K
U75
C5367 0,1U
C5366 47U
C5368 0,1U
R5387 3,3K
R5465 3,9K
V5303 BAV99
C5375 47N
R5385 18K
R5388 18K

14,7k
MP_MR
R2020 47K
R2022 47K
U5A
U5D
C1517 47N
V1500 DTA143ZKA 47k 4,7k
A-MUTE
MP_AMUTE
C2022 47N
MP_Q13
FEED
TRACK
KICK
TA-
TA+
D5303 BA6398FP-E2
FA+
FA-
FOCUS
MP_FOCUS
R5378 4,7K
R5379 2,2K
C5365 N.B.
VREF
/ALCR
R5380 47K
SP_KICK
SPINDLE-M-
C5369 N.B.
R5386 2,7K
R5389 2,7K
U75
C5367 0,1U
C5366 47U
C5368 0,1U
R5387 3,3K
R5465 3,9K
V5303 BAV99
C5375 47N

PL 3655 D05

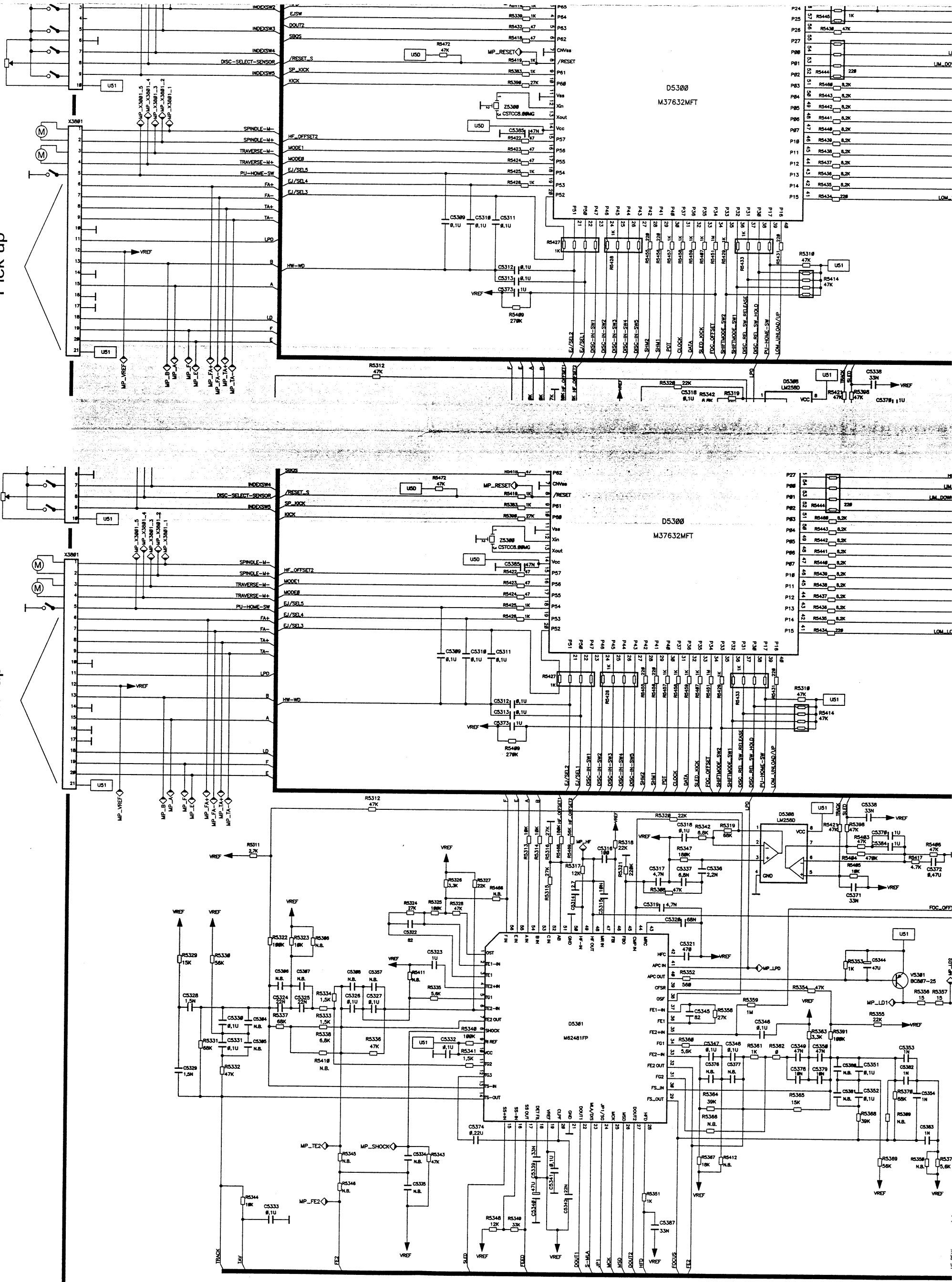
D5300
M37632MFT

D5305
TA8409F
D5306
TA8409F
D5307
CAT24C16JI
U75
U50
U51
U52
U55
U5A
U85A
MP_CLOCK
MP_DATA
MP_RESET
MP_VER
MP_TEST
MP_U50
MP_U52
MP_U55
MP_U5A
MP_U85A
MP_AMUTE
MP_FOCUS
PON
/RESET_S
/RESET_Z
/RESET
/ALCR
VREF
ASCIR
ASCIT
HF_PEAK
S-MLA
MSD
MCK
D-MLA
INDEXSW5
INDEXSW4
INDEXSW3
INDEXSW2
INDEXSW1
LOCK
A-MUTE
HF_OFFSET1
LIM_UP/HOLD
LIM_DOWN/RELEASE
BELEGT1
BELEGT2
BELEGT3
BELEGT4
BELEGT5
PLAY1
PLAY2
PLAY3
PLAY4
PLAY5
LOM_LOAD/DOWN
FEED
TRACK
KICK
TA-
TA+
FA+
FA-
FOCUS
SP_KICK
SPINDLE-M-
SPINDLE-M+
SHIFT-M-
SHIFT-M+
SHM1
SHM2
CLOCK
DATA
LOADING-M+
DISC-SELECT-SENSOR
TIB-SELECT-SENSOR
TAV
/ALCR
MPSCOUT
MP_SCIN
SLED_KICK
FOC_OFFSET
SHIFTMODE_SW2
SHIFTMODE_SW1
DISC_REL_SW_RELEASE
DISC_REL_SW_HOLD
PU-HOME-SW
LOM_UNLOAD/UP
DISC-IN-SW1
DISC-IN-SW2
DISC-IN-SW3
DISC-IN-SW4
DISC-IN-SW5
FE/SEL1
FE/SEL2
TRACK
SLED
LPD
PDT
Z5300
CSTCC8.00MG
H1000
H1001
LOPT670-J+G
GREEN
ORANGE
V8300
IMZ1A
V8301
BAL99
V8302
BZX84
C5V6
V1001
IMZ1A
D5308
LM258D
V2815
BC847C
V2816
BZX84
B9V1
V2810
BAV70

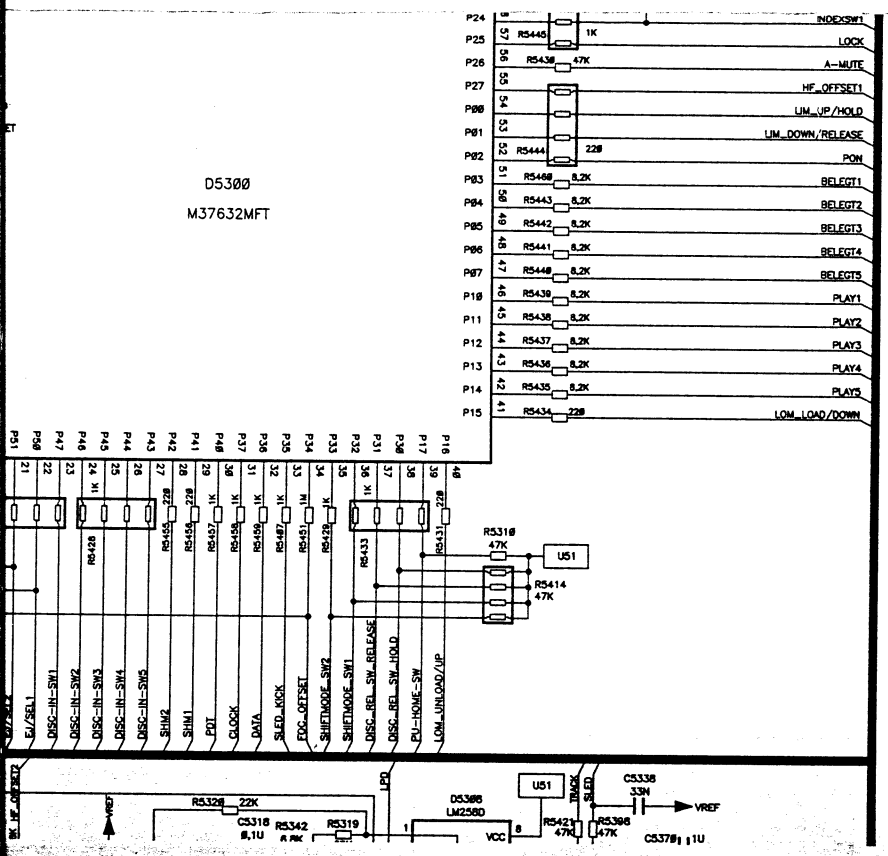
PL 3655 D05

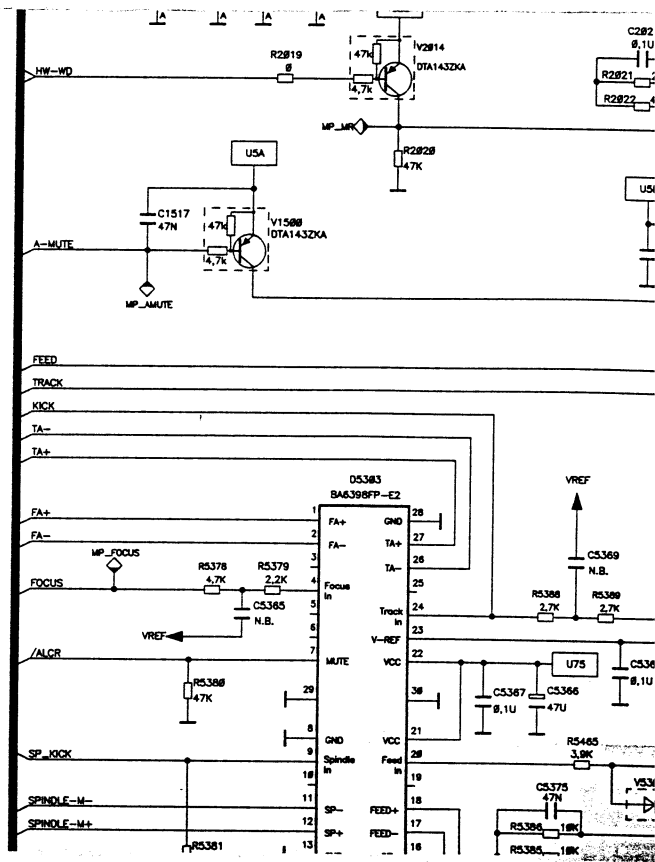
Anschlussplatte
Connector board
X3801

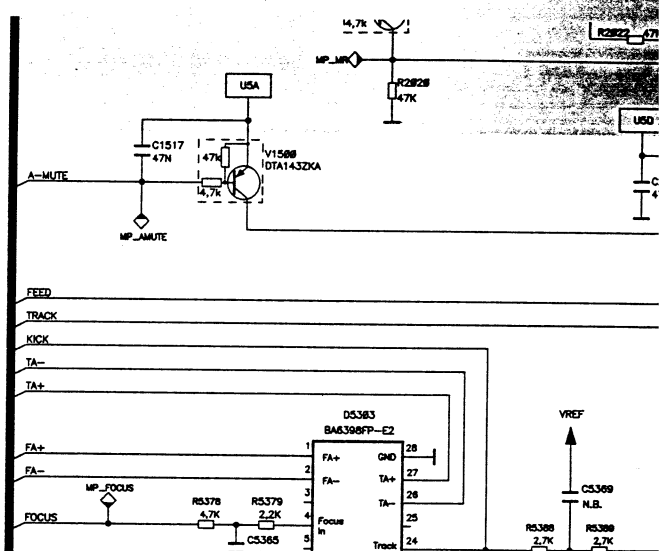
Laser
Pick up



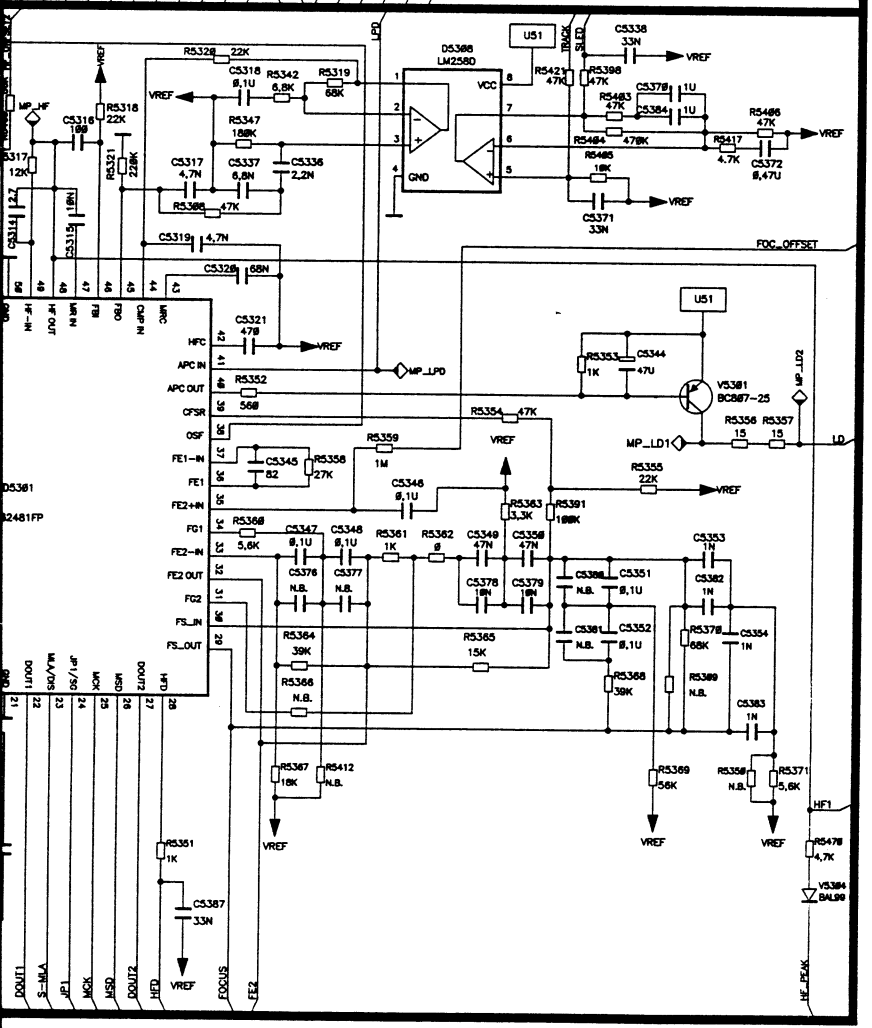
STEUERPLATTE / CONTROL BOARD


D5300
M37632MFT
INDEXSW1
LOCK
A-MUTE
HF_OFFSET1
LIM_UP/HOLD
LIM_DOWN/RELEASE
PON
BELEGT1
BELEGT2
BELEGT3
BELEGT4
BELEGT5
PLAY1
PLAY2
PLAY3
PLAY4
PLAY5
LOM_LOAD/DOWN
R5310
47K
U51
R5414
47K
EJ/SEL1
DISC-IN-SW1
DISC-IN-SW2
DISC-IN-SW3
DISC-IN-SW4
DISC-IN-SW5
SHM2
SHM1
PDT
CLOCK
DATA
SLED_KICK
FOC_OFFSET
SHIFTMODE_SW2
SHIFTMODE_SW1
DISC_REL_SW_RELEASE
DISC_REL_SW_HOLD
PU-HOME-SW
LOM_UNLOAD/UP
LPD
D5306
LM2580
R5328 22K
C5318 0,1U
R5342 6,8K
R5319 68K
C5338 33N
VREF
R5421 47K
R5396 47K
C5378 1U
C5384 1U
R5483 47K
R5484 47K
R5486 47K
R5417 4,7K
C5372 0,47U
R5485 18K
C5371 33N
R5318 22K
C5316 100
R5347 180K
C5317 4,7N
C5337 6,8N
C5336 2,2N
R5386 47K
C5319 4,7N
C5320 68N
FOC_OFFSET
C5321 470
HFC
APC IN
APC OUT
CFSR
OSF
FE1-IN
FE1
FE2+IN
FG1
FE2-IN
FE2 OUT
FG2
FS_IN
FS_OUT
MP_LPD
R5352 560
R5354 47K
R5359 1M
C5345 82
R5358 27K
C5346 0,1U
R5363 3,3K
R5391 100K
R5368 5,6K
C5347 0,1U
C5348 0,1U
R5361 1K
R5362 0
C5349 47N
C5350 47N
C5376 N.B.
C5377 N.B.
C5378 18N
C5379 18N
C5388 N.B.
C5351 0,1U
C5381 N.B.
C5352 0,1U
C5353 1N
C5382 1N
C5383 1N
R5364 39K
R5365 15K
R5366 N.B.
R5368 39K
R5378 68K
C5354 1N
R5389 N.B.
R5367 18K
R5412 N.B.
R5369 56K
R5358 N.B.
R5371 5,6K
R5351 1K
C5387 33N
U51
R5353 1K
C5344 47U
V5381 BC807-25
MP_LD1
R5356 15
R5357 15
LD
MP_LD2
R5355 22K
VREF
HF1
R5478 4,7K
V5384 BAL99
HF_PEAK
MP_HF
R5317 12K
R5321 22K
C5314 2,7
C5315 150P
C5322 2,2N
HF-IN
HF OUT
MR IN
FBI
FBO
CMP IN
MRC
D5381
M65821FP
DOUT1
S-MLA
JP1
MCK
MSD
DOUT2
HFD
FOCUS
FE2


HW-WD
R2819 0
V2914 DTA143ZKA
47K
4,7K
MP_MR
R2920 47K
U5A
C1517 47N
V1500 DTA143ZKA
A-MUTE
MP_AMUTE
FEED
TRACK
KICK
TA-
TA+
D5303 BA6398FP-E2
FA+
FA-
MP_FOCUS
FOCUS
R5378 4,7K
R5379 2,2K
C5365 N.B.
VREF
/ALCR
R5380 47K
SP_KICK
SPINDLE-M-
SPINDLE-M+
R5381
MP_SPIN
R5382 18K
C5364 47N
C5369 N.B.
R5388 2,7K
R5389 2,7K
C5367 0,1U
C5366 47U
U75
C5368 0,1U
R5485 3,9K
C5375 47N
R5386 18K
R5385 18K
R5384 18K
TRAVERSE-M-
TRAVERSE-M+
SLED_KICK

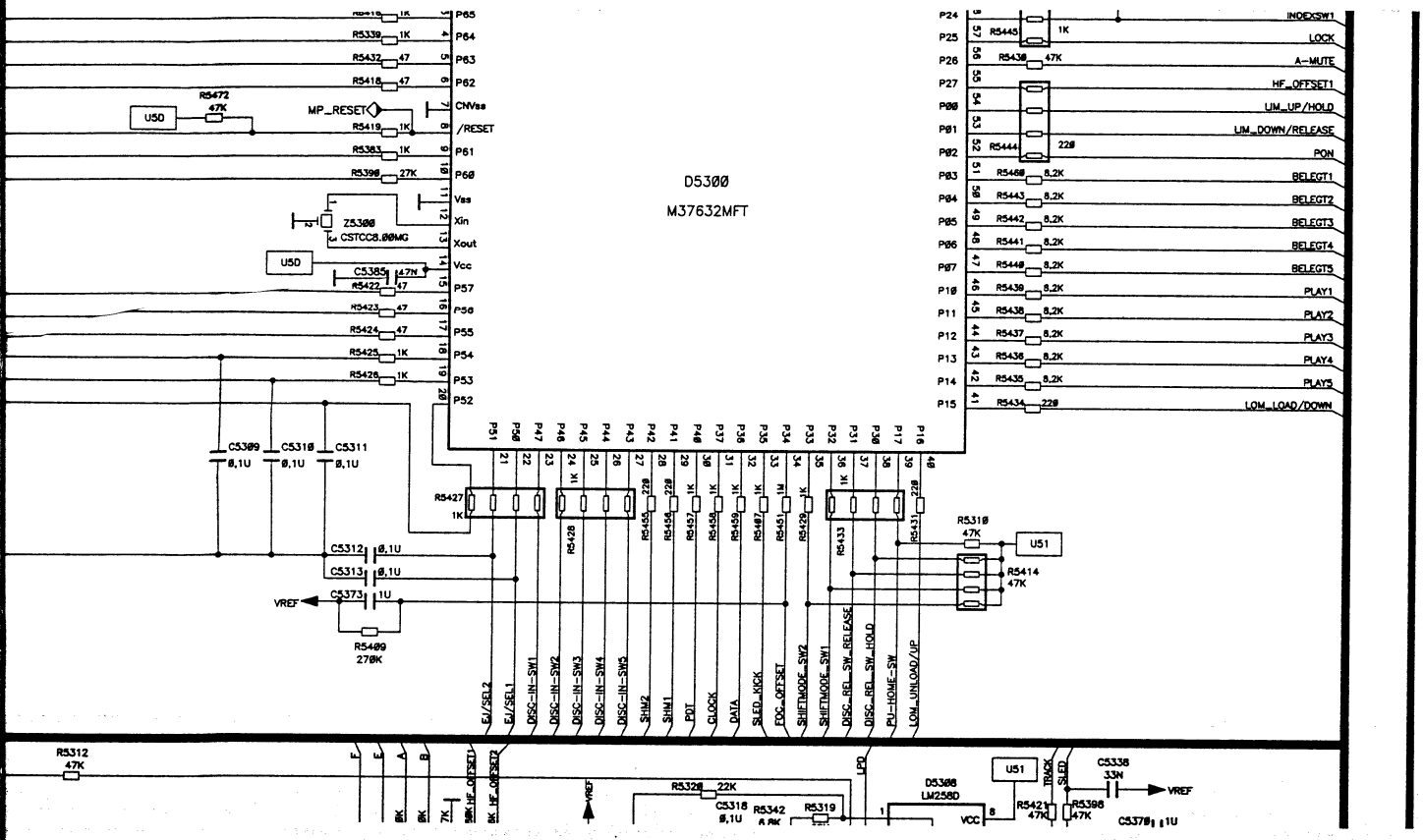

D5300
M37632MFT
HF_OFFSET1
LIM_UP/HOLD
LIM_DOWN/RELEASE
PON
BELEGT1
BELEGT2
BELEGT3
BELEGT4
BELEGT5
PLAY1
PLAY2
PLAY3
PLAY4
PLAY5
LOM_LOAD/DOWN
R5310 47K
U51
R5414 47K
EJ/SEL1
DISC-IN-SW1
DISC-IN-SW2
DISC-IN-SW3
DISC-IN-SW4
DISC-IN-SW5
SHM2
SHM1
PDT
CLOCK
DATA
SLED_KICK
FOC_OFFSET
SHIFTMODE_SW2
SHIFTMODE_SW1
DISC_REL_SW_RELEASE
DISC_REL_SW_HOLD
PU-HOME-SW
LOM_UNLOAD/UP

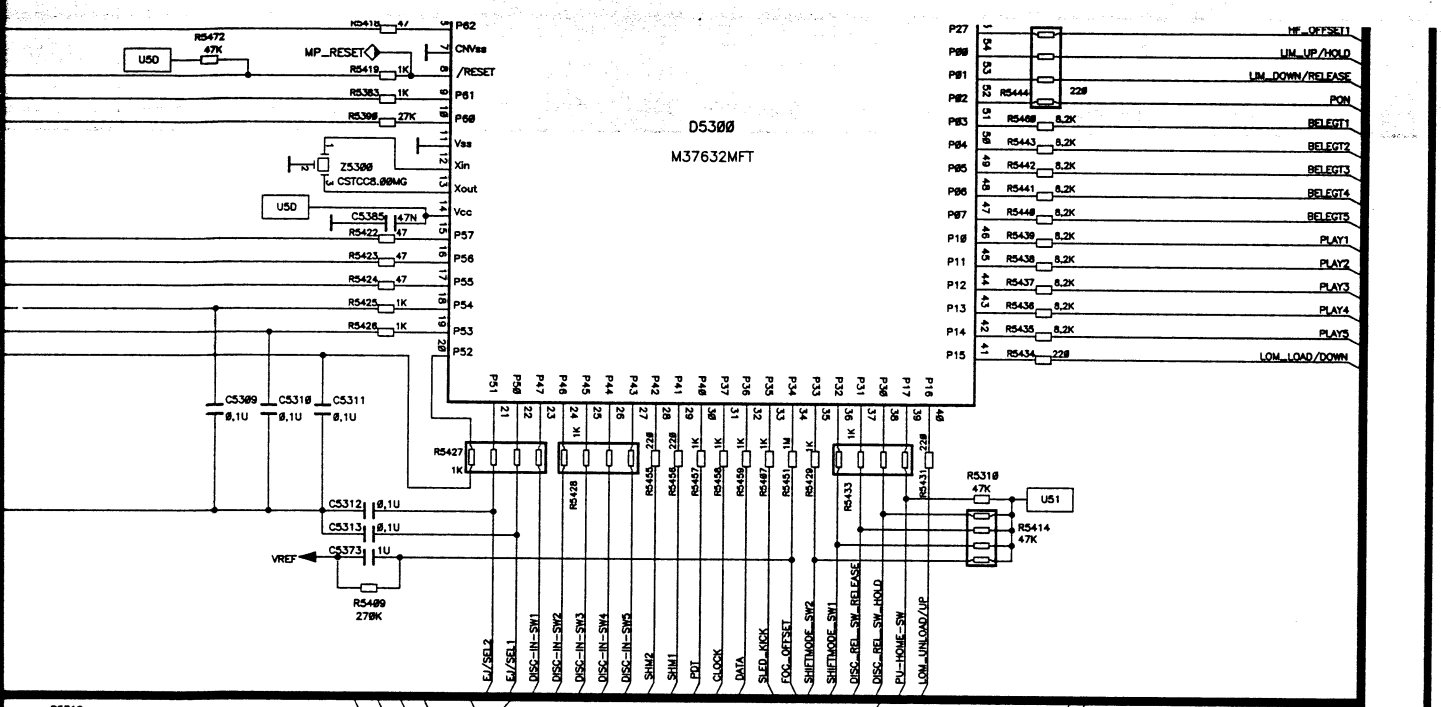
U5A
C1517 47N
V1500 DTA143ZKA
A-MUTE
MP_AMUTE
MP_MR
R2920 47K
FEED
TRACK
KICK
TA-
TA+
D5303 BA6398FP-E2
FA+
FA-
MP_FOCUS
FOCUS
R5378 4,7K
R5379 2,2K
C5365 N.B.
VREF
/ALCR
R5380 47K
SP_KICK
SPINDLE-M-
SPINDLE-M+
MP_SPIN
R5381 18K
R5382 18K
C5364 47N
C5369 N.B.
R5388 2,7K
R5389 2,7K
C5367 0,1U
C5366 47U
U75
C5368 0,1U
R5485 3,9K
C5375 47N
R5386 18K
R5385 18K
R5384 18K
TRAVERSE-M-
TRAVERSE-M+
SLED_KICK

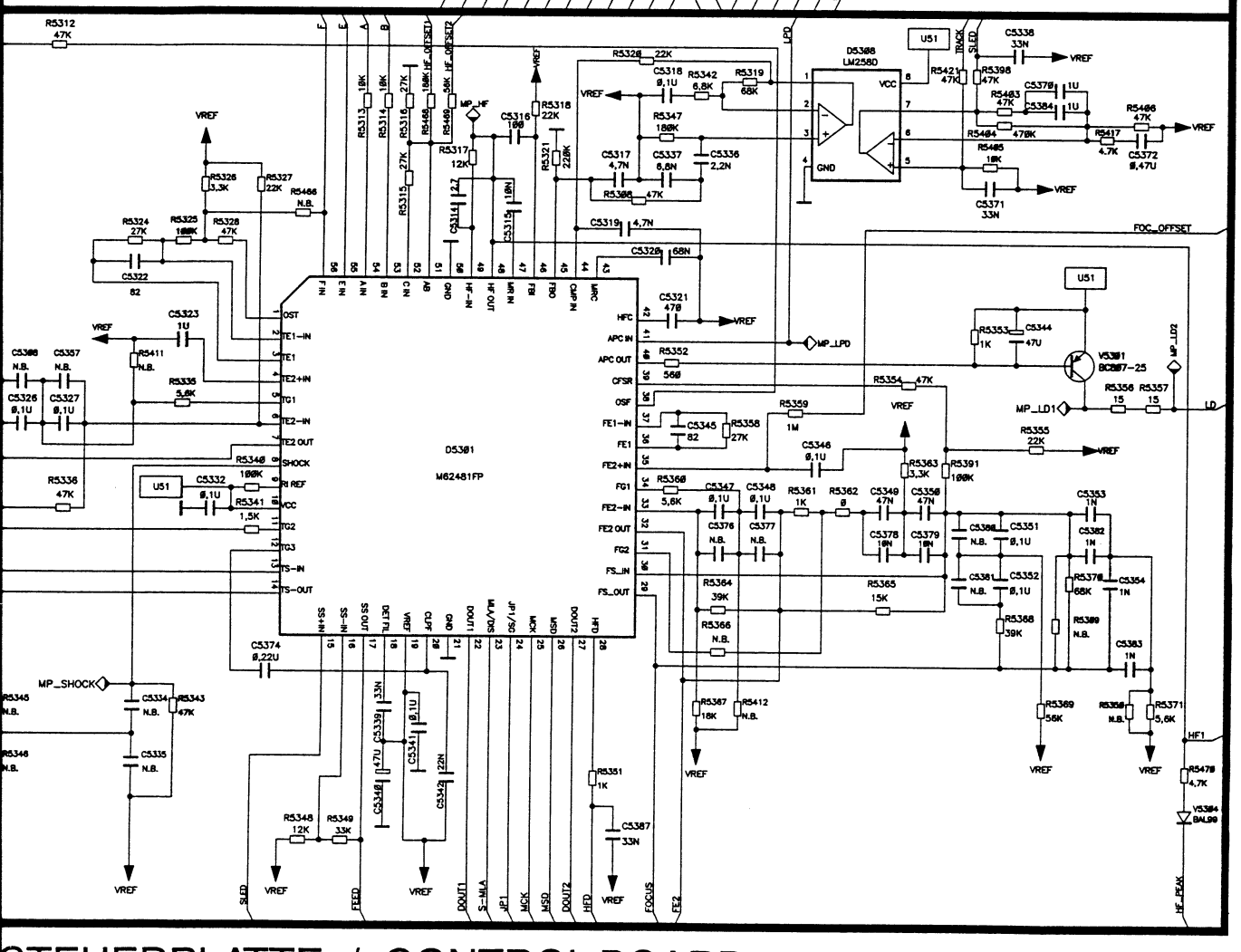

MP_HF
R5318 22K
C5316 100
R5317 12K
R5321 22K
C5314 2,7
C5315 150P
C5322 2,2N
C5344 3,3N
R5328 22K
C5318 0,1U
R5342 6,8K
R5319 68K
R5347 180K
C5317 4,7N
C5337 6,8N
C5336 2,2N
R5386 47K
C5319 4,7N
C5320 68N
FOC_OFFSET
C5321 470
HFC
APC IN
APC OUT
CFSR
OSF
FE1-IN
FE1
FE2+IN
FG1
FE2-IN
FE2 OUT
FG2
FS_IN
FS_OUT
MP_LPD
R5352 560
R5354 47K
R5359 1M
C5345 82
R5358 27K
C5346 0,1U
R5363 3,3K
R5391 100K
R5368 5,6K
C5347 0,1U
C5348 0,1U
R5361 1K
R5362 0
C5349 47N
C5350 47N
C5376 N.B.
C5377 N.B.
C5378 18N
C5379 18N
C5388 N.B.
C5351 0,1U
C5381 N.B.
C5352 0,1U
C5353 1N
C5382 1N
C5383 1N
R5364 39K
R5365 15K
R5366 N.B.
R5368 39K
R5378 68K
C5354 1N
R5389 N.B.
R5367 18K
R5412 N.B.
R5369 56K
R5358 N.B.
R5371 5,6K
R5351 1K
C5387 33N
U51
R5353 1K
C5344 47U
V5381 BC807-25
MP_LD1
R5356 15
R5357 15
LD
MP_LD2
R5355 22K
VREF
HF1
R5478 4,7K
V5384 BAL99
HF_PEAK
D5306 LM2580
R5483 47K
C5378 1U
C5384 1U
R5484 47K
R5486 47K
R5417 4,7K
C5372 0,47U
R5485 18K
C5371 33N
R5396 47K
C5338 33N
R5421 47K
D5381 M65821FP
DOUT1
S-MLA
JP1
MCK
MSD
DOUT2
HFD
FOCUS
FE2

U5A
C1517 47N
V1500 DTA143ZKA
A-MUTE
MP_AMUTE
MP_MR
R2920 47K
FEED
TRACK
KICK
TA-
TA+
D5303 BA6398FP-E2
FA+
FA-
MP_FOCUS
FOCUS
R5378 4,7K
R5379 2,2K
C5365 N.B.
VREF
/ALCR
R5380 47K
SP_KICK
SPINDLE-M-
SPINDLE-M+
MP_SPIN
R5381 18K
R5382 18K
C5364 47N
C5369 N.B.
R5388 2,7K
R5389 2,7K
C5367 0,1U
C5366 47U
U75
C5368 0,1U
R5485 3,9K
C5375 47N
R5386 18K
R5385 18K
R5384 18K
TRAVERSE-M-
TRAVERSE-M+
SLED_KICK

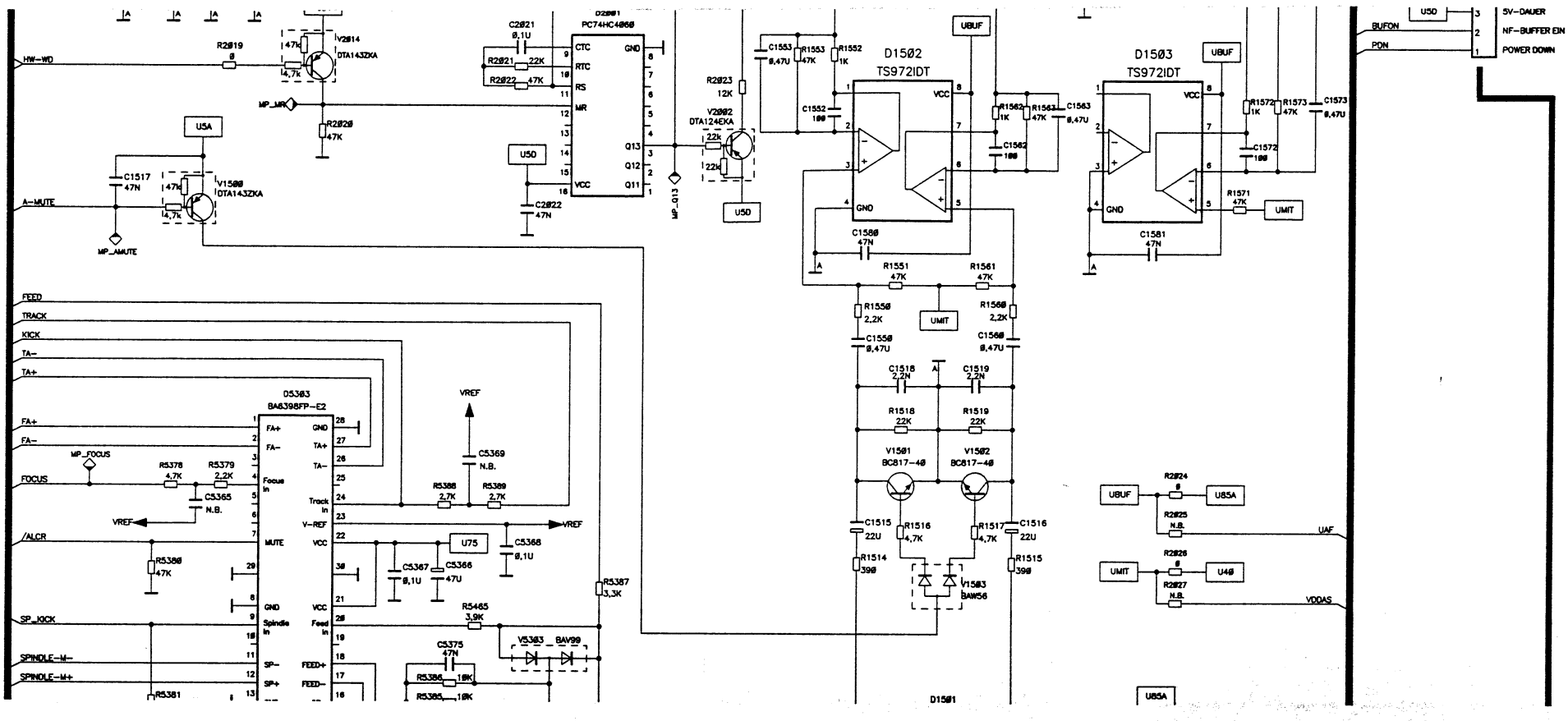
C5363 0,1U
D5302 M65821FP
U52
LOCK
SBQS
MSD
/ALCR
MCK
D-MLA
MODE0
MODE1
SCKC
EFFK
SBCD
PWM1
PWM2
LRCK3
LRCK2
LRCK1
WOCK
DSCK
CKSEL
DO2
DO1
DOTX
XØ
X1
EST1
EST2
C423
C846
R5375 100
R5376 100
R5377 100
C5389 47
R5473 100
U51
C5355 0,1U
R5372 100K
IREF
HFD
LPF
HF
TLC
VSS2
Z5301 16,93MHZ
L5301 1K/100MH
C5356 0,47U
R5488 N.B.
R5373 33K
R5374 2,2K
C5358 470
C5359 1,5N
C5360 22N
C5361 6,8
C5362 6,8
R5489 15K
MP_ERROR
MP_EST1
HF1







STEUERPLATTE / CONTROL BOARD


HW-WD
A-MUTE
MP_AMUTE
MP_MR
MP_Q13
U5A
U50
U52
U75
U85A
U51
U140
D1501
D1502
D1503
TS972IDT
BA6398FP-E2
M65821FP
UDA1338ATS
PC74HC4060
BC817-40
BC847C
BC848C
DTA143ZKA
DTA124EKA
BAV99
BAW56
VREF
UBUF
UMIT
FEED
TRACK
KICK
TA-
TA+
FA+
FA-
FOCUS
/ALCR
SP_KICK
SPINDLE-M-
SPINDLE-M+
TRAVERSE-M-
TRAVERSE-M+
SLED_KICK
LOCK
SBQS
MSD
MCK
D-MLA
MODE0
MODE1
HFD
MP_FOCUS
MP_SPIN
MP_DACMUTE
MP_ERROR
MP_EST1
5V-DAUER
NF-BUFFER EIN
POWER DOWN
BUFON
PDN
UAF
VDDAS
BELEGT1
BELEGT2
BELEGT3
BELEGT4
BELEGT5
PLAY1
PLAY2
PLAY3
PLAY4
PLAY5
EJ/SEL1
EJ/SEL2
EJ/SEL3
EJ/SEL4
EJ/SEL5
NONE
Schalterplatte
Key board
X3806
STEUERPLATTE / CONTROL BOARD